| - • | Index of Claims |          |               |            |              |           |          |                     |          |           |              |  |          | Application No. |           |           |                      |           |          |            |             |          |          |          | Applicant(s) |          |           |                 |                 |           |           |         |     |   |     |
|-----|-----------------|----------|---------------|------------|--------------|-----------|----------|---------------------|----------|-----------|--------------|--|----------|-----------------|-----------|-----------|----------------------|-----------|----------|------------|-------------|----------|----------|----------|--------------|----------|-----------|-----------------|-----------------|-----------|-----------|---------|-----|---|-----|
|     |                 |          |               |            |              |           |          |                     |          |           |              |  |          | 10/633,219      |           |           |                      |           |          |            |             |          |          |          |              |          |           |                 |                 |           |           |         |     |   |     |
|     |                 |          |               |            |              |           |          |                     |          |           |              |  |          |                 |           | ŀ         | Examiner             |           |          |            |             |          |          |          |              |          |           | ISHII ET AL.    |                 |           |           |         |     |   |     |
|     |                 |          |               |            |              |           | Ш        |                     |          |           |              |  |          |                 |           |           |                      |           |          |            |             |          |          |          |              |          | Art Unit  |                 |                 |           |           |         |     |   |     |
|     |                 |          |               |            |              |           |          |                     |          |           |              |  |          |                 |           |           | (Nancy) Thanh-Nhan P |           |          |            |             |          |          |          |              |          | 2871      |                 |                 |           |           |         |     |   |     |
|     |                 |          |               |            |              | _         |          |                     |          | _         |              |  |          |                 |           |           | Ng                   | υуε       | n        |            | _           |          |          |          |              |          |           |                 |                 |           |           | $\perp$ |     |   |     |
|     |                 |          | Г             | Т          |              | _         |          | ì                   | F        | _         |              |  |          |                 |           | _         | _                    | 7         | _        | т-         | _           |          |          |          |              |          |           |                 |                 |           |           | ,       |     |   |     |
|     |                 |          | 1             | R          | leje         | cte       | be       |                     | - 1      | -         | (            | Thro   | ugh      | nL              | ıme       | era       | ai)                  |           |          |            | Non-Elec    |          |          | ted      |              | A        | Appeal    |                 |                 |           |           |         |     |   |     |
|     |                 |          |               |            |              |           |          |                     |          |           |              | Cancelled  |          |                 |           |           |                      | N         | ╀        |            |             |          |          | '        |              |          |           |                 |                 |           |           |         |     |   |     |
|     |                 | =        | 1             | Mo         | we           | đ         |          |                     | ÷        |           | Restricted   |  |          |                 |           |           |                      | 1         | 1        | Interferen |             |          | nce      | се       |              | Objected |           |                 | l               |           |           |         |     |   |     |
|     |                 |          | <u> </u>      | <u>L</u> . |              |           |          |                     |          |           |              |  |          |                 |           |           | _                    | J         | L        | Ŀ          |             |          |          |          | J            |          |           |                 |                 |           |           |         |     |   |     |
|     | CI              | aim      | $oxed{\Box}$  |            | _            | [         | Date     | te                  |          |           | Claim        |  |          |                 |           | Date      |                      |           |          |            |             | )        | Claim    |          |              | Da       |           |                 | to              |           |           |         |     |   |     |
|     |                 | ā        | 8             |            |              |           |          |                     | T        | $\top$    | 7            |  | -        | Ţ               | T         | T         | T                    |           |          | Π          | $\top \top$ |          |          |          |              | $\vdash$ | Date      |                 |                 |           |           | ┪       |     |   |     |
|     | Final           | Original | 10/14/04      |            |              |           |          |                     | - 1      |           | 1            | Final  | Orional  | ,               |           |           |                      |           |          |            |             |          | ľ        | Final    | Original     |          |           |                 |                 |           |           |         | 1   |   |     |
|     | L               | ,        | 1             | 1          |              |           |          |                     |          |           | ١.           | "  | Č        | 5               |           |           |                      |           |          |            |             |          |          | "        | 5            |          |           |                 |                 |           |           |         |     |   |     |
|     | $\vdash$        | Q        |               |            |              |           |          | $\Box$              | $\perp$  | I         | ]            |  | 5        |                 | I         | 工         |                      |           |          |            |             |          |          |          | 101          | $\vdash$ | +         | +               | +               | ╁         | $\vdash$  | +       | -   |   |     |
|     | -               | 3        |               | -          |              | $\dashv$  | $\dashv$ | $\dashv$            | +        | +         | -            | $\vdash$   | 5:       | }  -            | +         | +         | $oldsymbol{\perp}$   | ┺         | L        |            |             |          |          |          | 102          |          |           | 工               |                 |           |           |         |     |   |     |
|     |                 | 0        | =             |            |              |           | $\dashv$ | -+                  | +        | +         | ┨            | $\vdash$   | 54       | <del>`</del> +  | +         | +         | ╁                    | ╀         | $\vdash$ | $\vdash$   |             | -        |          | <u> </u> | 103          | $\vdash$ | +         | +               | +               |           |           | 4       | 7   |   |     |
|     |                 | 5        | <u> </u>      |            |              |           |          | 工                   |          | $\perp$   | ]            |  | 55       | 1               | İ         | İ         | Ĺ                    |           |          | Н          | Н           | H        |          | -        | 105          |          | $\dashv$  | ╅               | +               | ╁╌        | H         | +       | -   |   |     |
|     | $\vdash$        | 7        | =             |            |              |           |          | $\dashv$            | -        | +         | 4            | <u> </u>   | 56       |                 | $\perp$   | Ļ         |                      |           |          |            |             |          |          |          | 106          |          |           | 土               |                 |           |           | _       | 1   |   |     |
|     |                 | 8        | F             | Н          | Н            | $\dashv$  | $\dashv$ | +                   | +        | ╁         | ┪            | ┝  | 57<br>58 |                 | ╀         | ╀         | ╀                    | H         | Н        | H          | Н           | $\dashv$ |          | -        | 107          | -        | 4         | $\perp$         | 1               |           |           | $\perp$ | 7   |   |     |
|     |                 | 9        |               |            |              |           |          |                     | 士        | İ         | 1            |  | 59       |                 | ╁         | ╁         | ╁                    | Н         | Н        |            | Н           | $\dashv$ |          |          | 108          | $\vdash$ | +         | +               | +               | $\vdash$  | $\vdash$  | -       | -   |   |     |
|     |                 | 10<br>11 | Į,            |            |              | _         | $\dashv$ |                     | $\perp$  | Ţ         | ]            |  | 60       |                 | Į         | I         |                      |           |          |            |             | コ        |          |          | 110          | 1        | $\dagger$ | +-              |                 |           |           | +       | -   |   |     |
|     | $\vdash$        | 12       | V             | -          |              | $\dashv$  | +        | -+                  | +        | +         | ď            | <u> </u>   | 61<br>62 |                 | ╂-        | +         | ┞                    | Н         | $\dashv$ |            |             | 4        |          |          | 111          |          | Ţ         | $\perp$         |                 |           |           |         | ]   |   |     |
|     |                 | (13)     | =             |            |              | $\exists$ | $\top$   | +                   | $\top$   | $\dagger$ | 1            | <del>                                     </del> | 63       |                 | ╁         | t         | ┢                    | Н         | $\dashv$ | Н          | $\dashv$    | ┥        | 1        |          | 112<br>113   | +        | +         | -               | +               | Н         | $\vdash$  | -       | -   |   |     |
|     |                 | 45       |               |            | $\Box$       |           |          | $\rightrightarrows$ |          | I         | 1            |  | 64       | T               |           |           |                      |           |          |            |             |          |          |          | 114          | +        | +         | +-              | ╁╌              | Н         | $\vdash$  | +       | -   |   |     |
|     | $\vdash$        | 16       | $\mathbb{H}$  | $\dashv$   | -            | +         |          | -                   | - -      | +         | ┨            |  | 65<br>66 |                 | $\vdash$  | ┼-        | Щ                    | Н         | _        | _          | Ц           | $\Box$   |          |          | 115          |          |           | 1               |                 |           |           |         | ]   |   |     |
|     |                 | 17       |               |            |              | +         | 十        |                     | +        | +         | ┪.           | -  | 67       | ╁               | ╁         | ╫         | Н                    | $\vdash$  | -        | -          | $\dashv$    | $\dashv$ |          |          | 116<br>117   | -        | +         | +               | -               | $\square$ | $\vdash$  | +       | 4   |   |     |
|     |                 | 18       | ¥             | $\Box$     | $\perp$      |           | $\Box$   | $\Box$              | $\perp$  | I         | ]            |  | 68       |                 |           |           |                      |           |          |            |             |          |          |          | 118          | $\dashv$ | $\dagger$ | +               | 1               | H         | +         | +       | -   |   |     |
|     | $\vdash$        | 19<br>20 | $\frac{1}{2}$ | +          | -            | +         | -        | +                   | ╁        | ╀         | -            |  | 69<br>70 |                 | -         | ⊢         | Н                    | $\dashv$  |          | _          | $\dashv$    | 7        | T        |          | 119          |          | I         |                 |                 |           | $\exists$ |         | ]   |   |     |
| -   |                 | 21       |               |            |              | $\top$    | $\top$   | +                   | 十        | t         |              |  | 71       | +               | ┝         | $\vdash$  | Н                    | -         | ┪        | $\dashv$   | ┪           | Ⅎ        | .  -     |          | 120<br>121   | -        | ╀         | ╀               | H               | $\vdash$  | -         | +       | ┥   |   |     |
|     | $\vdash \vdash$ | 22       | _             | $\dashv$   | $\perp$      |           | 工        | $\perp$             | $\perp$  |           | 1            |  | 72       |                 |           |           |                      | 二         | 1        | ╛          | $\exists$   | _        | 1        |          | 122          | +        | ╁         | ╆               | H               | -         | $\dashv$  | +       | -   |   |     |
|     | ├─┤             | 23<br>24 | -             | +          | -            | +         |          | +                   | +        | ╀         | 1            |  | 73<br>74 | ╄               | _         |           | Ш                    |           | 4        | 4          | 4           | $\Box$   |          |          | 123          |          | I         |                 |                 |           |           |         | j   |   |     |
|     |                 | 25       | $\exists$     | _          | +            | +         | ┪-       | +                   | ╁        | t         |              |  | 75       | ╁               | -         |           | $\vdash \vdash$      | -         | $\dashv$ | $\dashv$   | +           | $\dashv$ | }        | _        | 124<br>125   | _        | +-        | +               |                 |           | 4         | $\bot$  | ]   |   |     |
|     |                 | 26       | $\dashv$      | $\Box$     |              |           |          | $\perp$             |          | L         | 1 1          |  | 76       |                 |           |           |                      | 7         | 1        | 7          | 十           | 7        | t        |          | 126          | +        | +         | ╁               |                 | -+        | +         | +       | ┨   |   |     |
|     |                 | 27<br>28 | $\dashv$      | -          | +            | - -       | +        | - -                 | +        |           |              |  | 77       |                 |           |           | $\Box$               | $\exists$ | $\Box$   | $\exists$  |             | $\Box$   |          |          | 127          |          |           |                 |                 |           | 1         | +       | 1   |   |     |
|     |                 | 29       | $\dashv$      | +          | +            | +-        | +        | +                   | +        | $\vdash$  | 1 1          |  | 78<br>79 | $\vdash$        | -         | Н         | $\dashv$             | $\dashv$  | +        | +          | $\dashv$    | $\dashv$ | -        |          | 128          | -        | $\perp$   | 1               |                 | $\dashv$  | Ţ         | $\perp$ | ] . |   |     |
|     | $\Box$          | 30       | $\Box$        |            |              |           |          |                     | 上        |           |              |  | 80       | $\vdash$        |           | Н         | +                    | $\dashv$  | +        | $\dashv$   | +           | $\dashv$ | +        | -        | 130          | +        | ╁         | +               | $\vdash \vdash$ | $\dashv$  | -         | -       | -   |   |     |
|     |                 | 31       | -             | 4          | _            | _         | $\bot$   | _                   | Ļ        | L         |              |  | 81       |                 |           |           |                      | コ         | 1        | 1          | 士           |          |          |          | 131          | 1        | T         |                 |                 | +         | +         | +       | 1   |   |     |
|     |                 | 32<br>33 | +             | +          | +            | +         | +        | +-                  | ╂-       | -         |              |  | 82<br>83 | -               |           | $\vdash$  | -                    | 4         | 4        | 4          |             | 7        |          |          | 132          | $\perp$  |           |                 |                 |           |           |         | 1   |   |     |
| ĺ   |                 | 34       | 十             | +          | +            | +         | 4-       | +-                  | ╁        | H         |              |  | 84       |                 | Н         | $\vdash$  | $\dashv$             | ┰         | +        | +          | +           | 4.       | 4        | -        | 133          | -        | ┼-        | $\vdash$        |                 | $\dashv$  | $\perp$   | 1_      | 1   |   |     |
|     |                 | 35       |               |            |              |           |          |                     |          |           |              |  | 85       |                 | Н         |           | 7                    | +         | 十        | +          | +           | ٦.       | ┢        |          | 135          | +        | ╁         |                 | $\vdash$        | +         |           | +       | -   |   |     |
|     |                 | 36<br>37 | +             | -          |              | 4-        | 4        | -                   | $\perp$  |           |              |  | 86       |                 |           |           | $\Box$               |           |          |            | $\perp$     | ٦;       |          |          | 136          |          | T         |                 | 7               | $\top$    | +         | +       | 1   |   |     |
| ŀ   |                 | 38       | +             | +          | +            | ╫         | ╁        | ┪                   | +        | -         |              |  | 87<br>88 | Н               |           | $\dashv$  | -                    | 4         | +        | 4          | +           | 4        | -        | _        | 137          | $\perp$  |           | П               | $\Box$          |           | $\perp$   |         |     |   |     |
|     |                 | 39       | 1             | _          | +            | +         | +        | -                   | +-       |           | -            | $\neg$   | 89       | Н               | $\dashv$  | -         | +                    | ┿         | ╫        | +          | +           | -        | +        |          | 138          |          | ┼         | $\vdash$        | $\dashv$        | -         |           | +       |     | • |     |
| Ţ   |                 | 40       | $\downarrow$  | T          |              | I         | $\perp$  |                     |          |           | t            |  | 90       |                 | $\exists$ | _         | $\top$               | +         | +        | +          | +           | $\dashv$ | +        | +        | 140          | +        | -         | $\vdash$        | +               | +         | +         | +       | 1   |   |     |
| }   |                 | 41<br>42 | +             | +          | - -          | +         | 4        | 1                   | F        | Ц         | F            |  | 91       | Ц               | 口         | $\supset$ | $\Box$               | 1         | I        | 1          | 丰           |          |          |          | 141          |          |           |                 | 士               | 士         |           | 丁       | 1   |   |     |
|     |                 | 43       | +             | +          | +            | +         | +        | +                   | $\vdash$ | $\dashv$  | - }-         |  | 92<br>93 | $\dashv$        | $\dashv$  | $\dashv$  | +                    | +         | +        | 4          | +           | 4        | L        | $\bot$   | 142          | $\bot$   |           | П               | $\neg$          | I         | $\perp$   |         | ]   |   |     |
| ľ   |                 | 44       | 士             | $\pm$      |              | 1         | -        | 1-                  | $\vdash$ |           | <br>         |  | 94       | $\dashv$        | $\dashv$  | $\dashv$  | +                    | +         | +        | +          | +           | $\dashv$ | +        |          | 143          | +-       | -         | $\vdash \vdash$ | -+              | +         | +         | -       |     |   |     |
| Ĺ   |                 | 45       | I             | Τ          | $oxed{\bot}$ |           | I        |                     |          |           |              |  | 95       |                 | 寸         |           | _†                   | 丁         | 1        | $\dagger$  | T           | 1        | $\vdash$ |          | 145          | +        | -         | $\vdash$        | +               | +         | +         | -       |     |   |     |
|     |                 | 16<br>17 | +             | +          | +            | +         | +        | -                   | $\vdash$ | 4         | -            | $\neg$   | 96       | 7               | 耳         | $\dashv$  | 7                    | Ţ         | Ţ        | I          | I           |          | F        |          | 146          |          |           |                 | $\perp$         |           |           |         |     |   |     |
| ł   |                 | 18       | +             | +          | +            | +         | +        | +                   | $\vdash$ | $\dashv$  | <del> </del> | $\dashv$   | 97<br>98 | $\dashv$        | $\dashv$  | +         | +                    | +         | +        | +          | +           | 4        | -        | _        | 147          | -        | $\vdash$  |                 |                 |           | $\bot$    |         |     |   |     |
| ļ   |                 | 9        | T             | T          |              |           |          |                     |          |           | ·            |  | 99       | _               | _         | _         | +                    | +         | 十        | +          | +           | 1        | -        |          | 148<br>149   | +        | Н         | $\vdash \vdash$ | +               | +         | +         | ┦┤      |     |   |     |
| - 1 | 1 4             | 50 T     | - 1           | 1          | ł            | 1         | 1 -      | 1                   | i T      | 7         |              |  | 100      | $\neg$          | 7         | _         | -                    | _         |          | _          | <del></del> | ⊣        | $\vdash$ | -+       |              |          | _         |                 |                 | ᅩ         | i         | 1_1     |     |   | - 1 |